

**Amendment to the Claims:**

Claims 1-3, 5-7 and 18 are cancelled and new claims 19-24 are added:

**Listing of Claims:**

Claims 1-3, 5-7 and 18 (Cancelled).

19 (new) A method for desorbing analyte molecules from a sample presenting surface, comprising:

providing photon energy absorbing molecules having means for covalently binding with said analyte molecules, wherein said photon energy absorbing molecule contains a non polymer photon energy absorbing moiety having a molecular weight less than one thousand;

mixing and incubating said photon energy absorbing molecules with a sample solution containing said analytes to form said photon energy absorbing moiety-analyte complex, wherein the photon energy absorbing moiety and the analyte molecule are jointed together by covalent bond within said complex; and

exposing said complex deposited on the sample presenting surface, to a light source to desorb the analyte or the complex from said surface.

20. (new) The method of claim 19 wherein said light source is laser.

21. (new) The method according to claim 19 wherein said means for binding is reactive chemical group that can form covalent bond with the said analyte molecule.

22. (new) The method according to claim 19 wherein said photon energy absorbing molecules are used in combination with additional matrix .